

AMENDMENTS TO CLAIMS

This listing of the claims will replace all prior versions, and listings, of claims in the application.

Claims 1-15 (cancelled)

16. (original) An injectable naturally secreted extracellular matrix composition for the treatment of tissue defects comprising a human naturally secreted extracellular matrix and a pharmaceutically acceptable carrier.

17. (original) The composition according to claim 16 wherein the naturally secreted extracellular matrix is produced by:

(a) culturing cells on a three-dimensional framework under conditions favorable for cellular growth for a pre-determined time period such that an extracellular matrix is secreted onto the inoculated framework creating a coated framework;

(b) killing the cells;

(c) removing the cells and cellular debris;

(d) collecting the naturally secreted extracellular matrix deposited on the coated framework and

(e) processing the collected extracellular matrix with a pharmaceutically acceptable carrier.

18. (original) The composition according to claim 17 wherein naturally secreted extracellular matrices secreted by different tissue or cell types are mixed between steps (d) and (e), such that ratios of collagen types I-V, respective to each other are adjusted.

19. (original) The composition according to claim 16 wherein the framework is made from a material, said material being selected from the group consisting of polyamide, polyester, polystyrene, polypropylene, polyacrylates, polyvinyl compounds, polycarbonate, polytetrafluorethylene, thermanox, nitrocellulose, cotton, polyglycolic acid, catgut sutures, cellulose, gelatin, chitosan, hyaluronic acid and dextran.

20. (original) The composition according to claim 16 where in the three-dimensional framework has pore spaces of about 150 μ m to about 220 μ m.

21. (original) The composition according to claim 16 wherein the naturally secreted extracellular matrix is secreted by tissue specific cells.

22. (original) The composition according to claim 16 wherein the naturally secreted extracellular matrix is secreted by cells, said cells being selected from the group consisting of fibroblasts, osteoblasts, odontoblasts, chondrocytes, epithelial cells, smooth muscle cells, retinal cells, endothelial cells, stromal cells or combinations thereof.

Claims 23-29 (cancelled)